MSD

SITE: Lee's Lane
BREAK: 8,4
OTHER: VID

April 7, 1997

Ms. Liza I. Montalvo
Remedial Project Manager
Kentucky/Tennessee Section
U. S. EPA
Region IV
345 Courtland Street, N. E.
Atlanta, GA 30365

Re: Results of Air Quality Monitoring - FY97 Second Quarter (FY97-2Q), (Event No. 17) Lees' Lane Superfund Site, Jefferson County, Kentucky Administrative Order on Consent, U. S. EPA Docket No. 91-32-C

Dear Ms. Montalvo:

In accordance with paragraph 11, under, Reporting Requirement, of the subject Consent Order and Attachment I, Operation and Maintenance Plan for Post-Removal Site Control at the Lees' Lane Landfill Site, Section 4.2, Air Quality Monitoring, attached for your information and files is one photocopy each of the following items, prepared by Radian Corporation, P. O. Box 13000, Research Triangle Park, North Carolina 27709, and received by MSD on April 2, 1997.

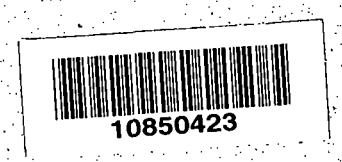
1. Radian Corporation letter, dated March 17, 1997, 2 pages.

2. Figure 1, Lees' Lane Landfill, Sampling Locations, 1 page.

3. Table 1, TO-14 Data Summary for Ambient Air Samples at the Lees' Lane Landfill, Sampling date: 12/12/96, 1 page.

4. Table 2, On-Site Meteorological Data, 12/12/96, 1 page.

5. Table 3, TO-14 Data Summary for Gas Monitoring Well Samples at Lee's Lane Landfill, Louisville, KY, Sampling Date: 12/12/96, 1 page.



Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street Louisville, Kentucky 40203-1913 502-540-6000

Please advise if you have any questions concerning these sampling arrangements.

Sincerely,

Thomas J. McGuire for Carl 4/7/97

Carl A. Neumayer
Director of Operations

CAN/dc
Lee'sair2q97

cc: Mr. Jeff Pratt, KNREPC
Division of Waste Management
Mr. Rick Hogan, KNREPC
Division of Waste Management
G. R. Garner, Executive Director
File: WD-2 (Lees' Lane M & M Quarterly)

March 17, 1997

RADIAN INTERNATIONAL LLC
P.O. Box 13000
Research Triangle Park, NC 27709
(919) 461-1100
FAX (919) 461-1415

Mr. Dan Sammons
Chief Chemist
Louisville Metropolitan Sewer District
4522 Algonquin Parkway
Louisville, KY 40211

Dear Dan:

Enclosed is the summary analytical report for the ambient and gas monitoring well samples collected at the Lee's Lane Landfill site on December 12, 1996.

A map of the site, labeled with the sample collection locations for your reference, is shown in Figure 1. Table 1 is a tabular summary for the ambient sample with the primary analytes required for submission to EPA.

The monitoring sites for this quarterly collection were chosen based on a combination of prevailing on-site meteorology and available sites in the adjacent residential neighborhood per the standard sampling protocol. It was cool and damp for most of the monitoring day with west by northwest winds. Meteorological data readings on-site were invalid, therefore the information displayed in Table 2 was obtained from the Louisville airport's National Weather Station. The ambient samples were collected 3-5 feet above ground level. The ambient samples collected were integrated over a 7-8 hour collection period in Summa® canisters.

The methane analysis was performed by GC/FID on a separate analytical system prior to the TO-14 analysis at Radian's Austin Laboratory. The TO-14 analytical methodology using Gas Chromatography/Mass Spectrometry (GC/MS) was employed. Samples were handled with standard laboratory chain-of-custody procedures. Sample canisters and flow controllers were cleaned and blanked using method TO-12 for total nonmethane hydrocarbons prior to field deployment. All ambient and gas well samples (except the field blank) were successfully analyzed for methane and the TO-14 target analytes.

Table 3 is a tabular summary of the gas well samples with the primary analytes required for submission to EPA. The gas monitoring wells were not screened with field monitors (combustible gas meter and PhotoTIP) prior to field sample collection. The laboratory determined methane results for well sample ID-G1R were high, at 798 ppmv. There were no field measurements of methane. Table 3 shows that there is measurable toluene at gas monitoring wells G1R, G4L, G5L, and G5-AL at low ppb levels (1-3).

With the exception of the primary target analytes, very few TO-14 compounds were detected in either the ambient or gas well samples. Benzene, toluene, and methylene chloride were detected in all 12 field samples, and xylene (total) was detected in 11 of the 12 field samples. All other ambient and well samples were at normal levels for methylene chloride and target compounds for the program.

Radian appreciates the opportunity to assist your staff with this project. Please advise me at (919) 461-1242 if you have any questions.

Sincerely,

Robert F. Jongleux
Project Manager

RFJ/jeh/Task 18

Attachments

cc: J. Hescheles, Radian/RTP
Project File/Task 18

With the exception of the primary target analytes, very few TO-14 compounds were detected in either the ambient or gas well samples. Benzene, toluene, and methylene chloride were detected in all 12 field samples, and xylene (total) was detected in 11 of the 12 field samples. All other ambient and well samples were at normal levels for methylene chloride and target compounds for the program.

Radian appreciates the opportunity to assist your staff with this project. Please advise me at (919) 461-1242 if you have any questions.

Sincerely,

Robert F. Jongleaux
Project Manager

RFJ/jeh/Task 18

Attachments

cc: J. Hescheles, Radian/RTP
Project File/Task 18

Not to scale.

Figure 1. Lees Lane Landfill Sampling Locations

TABLE 1

TO-14 DATA SUMMARY FOR AMBIENT AIR SAMPLES AT THE LEE'S LANE LANDFILL LOUISVILLE, KENTUCKY

SAMPLING DATE: **12/12/96**

	Ambient Air Samples					
Sample ID	AS-U1	AS-A1	AS-B1	AS-R1	AS-R2	AS-R3
Canister ID	A193109	A193103	A130659	A193099	A193105	A193107
Dilution Factor	0.2904	0.2376	0.3054	0.3382	0.3396	0.2754
Location	Upwind	Downwind	Downwind	Residential	Residential	Residential
Orifice						
Compound (ppbv)						
Benzene	0.49	0.52	0.51	0.76	0.44	0.50
Toluene	0.49	0.86	1.04	0.66	0.51	0.59
Xylene (Total)	0.15	0.16	0.17	0.18	0.16	0.20
Methylene chloride	0.68	0.68	0.58	0.63	0.43	0.61
Vinyl chloride	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methane (ppmV)	4.9	5.11	4.55	4.77	4.27	<0.01

TABLE 2

ON-SITE METEOROLOGICAL DATA
December 12, 1996

Time	Barometric Pressure (in Hg)	Temperature (F)	Dewpoint (F)	Wind Direction (from)	Wind Speed (mph)	Observation
0800	29.80	53	53	260	13	Rain
0900	29.83	53	53	270	9	Rain
1000	29.86	53	51	290	12	Rain
1100	29.89	51	50	270	15	Rain
1200	29.89	50	48	260	8	Rain
1300	29.89	50	48	270	9	Rain
1400	29.92	48	46	260	10	Cloudy
1500	29.95	48	46	270	13	Cloudy
1600	29.98	46	44	300	13	Cloudy
1700	30.01	44	44	280	9	Cloudy

TABLE 3

TO-14 DATA SUMMARY FOR GAS MONITORING WELL SAMPLES AT THE LEE'S LANE LANDFILL LOUISVILLE, KENTUCKY

SAMPLING DATE: **12/12/96**

	Well Samples						
Sample ID	AS-G1R	AS-G2R	AS-G3R	AS-G4L	AS-G5LV	AS-G5AL	FBL*
Canister ID	A193106	A193112	A193221	A193110	A193104	A193100	A130657
Dilution Factor	0.3688	0.4127	0.4066	0.3293	0.3161	0.3755	1
Location	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Orifice	D104	D3	B1	D8	D6	D3	N/A
Compound (ppbv)							
Benzene	0.38	0.42	0.37	0.12	0.44	0.60	ND
Toluene	2.67	0.57	1.37	2.23	3.06	3.06	ND
Xylene (Total)	0.20	0.10	0.10	<0.01	0.17	0.40	ND
Methylene chloride	0.83	0.61	0.31	0.21	0.39	0.35	ND
Vinyl chloride	<0.01	<0.01	<0.01	0.08	<0.01	0.23	ND
Methane (ppmV)	798	4.31	4.86	2.19	3.68	4.07	ND

* FBL was voided in the field due to stripped valve.

MSD

July 16, 1996

Ms. Liza I. Montalvo
Remedial Project Manager
Kentucky/Tennessee Section
U S EPA Region IV
345 Courtland St. N. E.
Atlanta, GA 30365

Re: Lee's Lane Superfund Site, Jefferson County, KY - Administrative Order on Consent, US EPA Docket No. 91-32-C

Dear Ms. Montalvo:

The purpose of this letter is a request for consideration and adoption by US EPA of a modification to the Operation and Maintenance Plan, Attachment I, to the Lee's Lane Superfund Site Administrative Order on Consent, US EPA Docket No. 91-32-C.

As you are aware, MSD, and its predecessor prior to the Administrative Order on Consent, have conducted certain monitoring and institutional inspection activities over the past five (5) years at the Lee's Lane Landfill site. The information obtained from the institutional inspections, air monitoring, and groundwater monitoring has provided an ample data base from which to determine if the frequency of these activities can be reduced.

It is requested that the US EPA consider for implementation under paragraph 41 of the Administrative Order on Consent the following inspection and monitoring frequencies proposed by MSD:

1. Institutional Inspections:
   a. Change from quarterly to semi-annual during the second and fourth quarters of MSD's fiscal year (FY). NOTE: MSD's fiscal year ends on June 30; this would place the semi-annual inspections in the spring and fall of each year.

2. Ambient Air Monitoring and Groundwater Quality Monitoring:
   a. Change from quarterly monitoring to semi-annual monitoring during MSD's second and fourth quarters, or
   b. Annual monitoring during MSD's fourth quarter.

Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street Louisville, Kentucky 40203-1913 502-540-6000

It is requested that the above proposed frequency inspections and monitoring events be adopted and incorporated in a written modification to the Administrative Order on Consent, US EPA Docket No 91-32-C. Your prompt consideration of this proposal is requested.

Please advise if you have any questions or need to discuss this request in more detail.

Sincerely,

Carl A. Neumayer
Director of Operations

CAN/dc
CAN3-3S

cc: G. R. Garner
C. F. Shain
Kentucky Natural Resource Environment Protection Cabinet
Mr. Rick Hogan, Division of Waste Management
Kentucky Natural Resource Environment Protection Cabinet
Mr. Jeff Pratt, Division of Waste Management
File WD-2 - (Lee's Lane M & M Activities)

MSD

May 1, 1997

Ms. Liza Montalvo
Residual Project Manager
Kentucky/Tennessee Section
U. S. Environmental Protection Agency
Region IV
345 Courtland St, N. E.
Atlanta, GA 30365

Re: **Report of Field Observation - FY 97 -Third Quarter (FY97-3Q), Lees Lane Superfund Site, Jefferson County, Kentucky, Administrative Order on Consent, USEPA Docket No. 91-32-C**

Dear Ms. Montalvo:

In accordance with paragraph 11, under the heading Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site, I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No. FY 97-3Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY97-3Q.

Sincerely,

Carl A. Neumayer
Director of Operations
CAN/dc
Lees-3Qltr
Enc.

cc: Kentucky Natural Resource Environment Protection Cabinet
Mr. Rick Hogan, Division of Waste Management
Kentucky Natural Resource Environment Protection Cabinet
Mr. Jeff Pratt, Division of Waste Management
G. R. Garner, Executive Director
File WD-2 (Lees Lane M&M Quarterly)

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No.: FY97-3Q Date of Observation: 4/9/97

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location of deficiency on the site map provided.

Comment No.:	Comment
A-1	Fill material placed in the rutted areas adjacent to Gas Well No. 6 needs to be finished graded and seeded during spring, 1997, pending weather conditions.
A-4	Observed settlement of depressed area of access road near the northern portion of the site appears to be in same condition as prior field inspections.
B-2	Putman Avenue barricade condition remains unchanged from previous quarterly institutional inspections.
C-1	Continue to observe additional small arms fire damage to the walls of the Blower House and warning signs. Small arms fire damage is evident on all faces of the Blower House except the west face.

Comment No.	Corrective Action Performed
A-1	Schedule final grading and seeding, subject to weather conditions, during FY 97-4Q coincident with grading and road repairs to the flood protection levee.
A-4	Schedule placement of earthen back fill material in depressed areas of access road; provide a surface layer of 6/10 stone and dense grade aggregate for finished driving surface.
B-2	No further corrective action required at this time.
C-1	No corrective action proposed at this time. Continue to monitor small arms fire damage and consider scheduling of repairs to the concrete block walls of the Blower House prior to end of FY 97-4Q.

Comment No.:	Comment
C-7	Observed disturbed concrete collar for moisture trap No. 28, needs to be reset.
C-9	Observed vegetation surrounding gas wells numbers 1 through 6, inclusive.
D-6	Observed some excessive vegetation surrounding groundwater and gas monitoring wells.
D-8	Unable to observe condition of tubing, fittings and valves on gas wells because all gas well caps were securely locked. Institutional monitoring of these gas well facilities was **not** performed prior to the end of FY 97-3Q because of Ohio River flooding event during March, 1997.
E-2	Unable to observe any erosion of riprap or underlying river bank material because of high water elevation on the Ohio River lower pool at the time of this institutional inspection. However, excessive vegetation does not appear to be distressed, and, therefore, continues to stabilize the Ohio River bank against scouring under high river conditions.

Comment No.	Corrective Action Performed
C-7	Schedule resetting of disturbed concrete collar for moisture trap No. 28 prior to the end of FY 97-4Q institutional inspection.
C-9	Schedule cutting of excessive vegetation growth surrounding gas wells, Nos. 1 through 6, coincident with the first mowing scheduled during FY 97 4-Q.
D-6	Schedule corrective action as proposed under C-9 above.
D-8	Radian Associates and MSD force account will conduct two (2) quarterly field monitoring activities prior to the end of FY 97-4Q.
E-2	No corrective action required at this time.

Comment No.:	Comment
C-7	Observed disturbed concrete collar for moisture trap No. 28, needs to be reset.
C-9	Observed vegetation surrounding gas wells numbers 1 through 6, inclusive.
D-6	Observed some excessive vegetation surrounding groundwater and gas monitoring wells.
D-8	Unable to observe condition of tubing, fittings and valves on gas wells because all gas well caps were securely locked. Institutional monitoring of these gas well facilities was **not** performed prior to the end of FY 97-3Q because of Ohio River flooding event during March, 1997.
E-2	Unable to observe any erosion of riprap or underlying river bank material because of high water elevation on the Ohio River lower pool at the time of this institutional inspection. However, excessive vegetation does not appear to be distressed, and, therefore, continues to stabilize the Ohio River bank against scouring under high river conditions.

Comment No.	Corrective Action Performed
C-7	Schedule resetting of disturbed concrete collar for moisture trap No. 28 prior to the end of FY 97-4Q institutional inspection.
C-9	Schedule cutting of excessive vegetation growth surrounding gas wells, Nos. 1 through 6, coincident with the first mowing scheduled during FY 97 4-Q.
D-6	Schedule corrective action as proposed under C-9 above.
D-8	Radian Associates and MSD force account will conduct two (2) quarterly field monitoring activities prior to the end of FY 97-4Q.
E-2	No corrective action required at this time.

Comment No.:	Comment
E-7	Evidence of vegetation growth re-establishment in the riprap area adjacent to the clay cap and riprap sloped drainage channels.
E-8	Observed some build up of trash and debris from March, 1997, flood on the Ohio River on the riprap portion of the clay cap area.
E-12	Observed the marker for Benchmark No. 4 slightly out of plumb alignment.
F-1	Observed the shale drainage swale between the access road and the top of the riprap section to be in satisfactory condition with only slight evidence of standing water above the culvert pipe crossing under the asphalt access road.
F-4	Observed the fill placement in the area south of Benchmark No. 4 which will require seeding in the spring, 1997.
F-5	No ponded water evident in the vicinity of the refilled depressed area south of Benchmark No. 4.

Comment No.	Corrective Action Performed
E-7	Engage independent contractor services to spray riprap areas adjacent to the clap cap prior to the end of FY 97-4Q, subject to weather conditions, in order to control regrowth of vegetation.
E-8	No corrective action required at this time, continue monitoring of the build up of trash and debris on riprap area during the balance of the flood season on the Ohio River.
E-12	Reset marker for Benchmark No. 4 prior to end of FY 97-4Q.
F-1	Schedule slip lining a smaller diameter drainage pipe to proper grade inside of the existing culvert and regrade the upstream inlet prior to the end of FY 97-4Q, subject to weather conditions.
F-4	Schedule seeding of the fill area south of Benchmark No. 4 prior to the end of FY 97-4Q, subject to weather conditions.
F-5	No corrective action required at this time.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY97-3Q **Date of Observation** 4/9/97

Site Map

Heavy rains and substantial flooding of the Ohio River during the first half of March, 1997, made a detailed inspection of the Lee's Lane Landfill Site impractical. As a result, much of the proposed corrective action will be rescheduled following flood recovery activities of MSD force account. A more detailed institutional inspection will be conducted for the FY97-4Q Observation Report.

Signature of Observer: Thomas J. McBride **Date:** 5/2/97

Thomas J. McBride

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY97-3Q **Date of Observation** 4/9/97

Site Map

Heavy rains and substantial flooding of the Ohio River during the first half of March, 1997, made a detailed inspection of the Lee's Lane Landfill Site impractical. As a result, much of the proposed corrective action will be rescheduled following flood recovery activities of MSD force account. A more detailed institutional inspection will be conducted for the FY97-4Q Observation Report.

Signature of Observer: Thomas J. McBride **Date:** 5/2/97

Thomas J. McBride

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY97-30 Date of Observation: 4/9/97

Time Arrived Onsite: 1:50 p.m. Time Departed Site: 3:06 p.m.

Field Personnel: Thomas J. McBride, Special Projects Engineer and Richard H. Watkins, Support Services Manager, Maintenance Division

Section A: General Site Conditions

Observation:	Yes*	No	Not Observed	Comment No.
1. Major settlement of topsoil or erosion exposing waste/ fill material		X		A-1
2. Evidence of leachate seepage		X	X	
3. Distressed Vegetation		X		
4. Pot holes, erosion of access road		X		A-4

Section B: Institutional Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Structural problem with Lee's Lane gate or barricade		X		
2. Structural problem with Putman Ave. barricade		X		B-2
3. Lee's Lane gate unlocked		X		
4. Broken or missing lock		X		

Section C: Gas Collection System

Observation:	Yes*	No	Not Observed	Comment No.
1. Vandalism to blower house, wells, or moisture traps	X			C-1
2. Structural damage to blower house		X		
3. Blower not operating or visible damage		X		
4. Blower house not secure and unclean		X		

Observation:	Yes*	No	Not Observed	Comment No.
5. Service box lids not in place	—	X	—	—
6. Alarm and blower controls not functioning	—	X	—	—
7. Settlement or tilting of well/moisture trap concrete collars	X	X	—	C-7
8. Well/moisture trap covers missing or damaged	—	X	—	—
9. Excessive vegetation covering wells/mositure traps	X	X	—	C-9
10. Adjustment valve inaccessible	—	X	—	—
11. Well/moisture trap caps, plugs, and piping missing or damaged	—	X	—	—
12. Blower house and well/ moisture trap signs missing or damaged	—	X	—	—

Section D: Groundwater & Gas Monitor Wells

Observation:	Yes*	No	Not Observed	Comment No.
1. Wells unlocked	—	X	—	—
2. Guard posts and rails missing or damaged	—	X	—	—
3. Protective casing missing, damaged or rusted	—	X	—	—
4. Concrete pads damaged or cracked	—	X	—	—
5. Possible surface water infiltration into wells	—	X	—	—
6. Excessive vegetation or debris around wells	X	X	—	D-6
7. Well cap missing or damaged	—	X	—	—
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	—	X	D-8

Observation:	Yes*	No	Not Observed	Comment No.
5. Service box lids not in place	—	X	—	—
6. Alarm and blower controls not functioning	—	X	—	—
7. Settlement or tilting of well/moisture trap concrete collars	X	X	—	C-7
8. Well/moisture trap covers missing or damaged	—	X	—	—
9. Excessive vegetation covering wells/mositure traps	X	X	—	C-9
10. Adjustment valve inaccessible	—	X	—	—
11. Well/moisture trap caps, plugs, and piping missing or damaged	—	X	—	—
12. Blower house and well/ moisture trap signs missing or damaged	—	X	—	—

Section D: Groundwater & Gas Monitor Wells

Observation:	Yes*	No	Not Observed	Comment No.
1. Wells unlocked	—	X	—	—
2. Guard posts and rails missing or damaged	—	X	—	—
3. Protective casing missing, damaged or rusted	—	X	—	—
4. Concrete pads damaged or cracked	—	X	—	—
5. Possible surface water infiltration into wells	—	X	—	—
6. Excessive vegetation or debris around wells	X	X	—	D-6
7. Well cap missing or damaged	—	X	—	—
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	—	X	D-8

Section E: Bank Protection Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Subsidence of slope, sloughing or caving	—	X	—	—
2. Erosion of rip-rap or underlying material	—	—	X	E-2
3. Abnormally damp areas, wet ground vegetation	—	X	—	—
4. Soft spots in surface	—	—	—	—
5. Seepage, water flow, piping, or sand boils	—	X	—	—
6. Undermining of rip-rap	—	—	X	—
7. Vegetative growth on rip-rap slope	X	X	—	E-7
8. Buildup of trash and debris on rip-rap	X	X	—	E-8
9. Exposed trash or filter fabric	—	—	X	—
10. Tilting trees	—	—	X	—
11. Tension cracks	—	—	X	—
12. Survey monuments missing or damaged	X	—	—	E-12

Section F: Surface Waste Cleanup/Cover

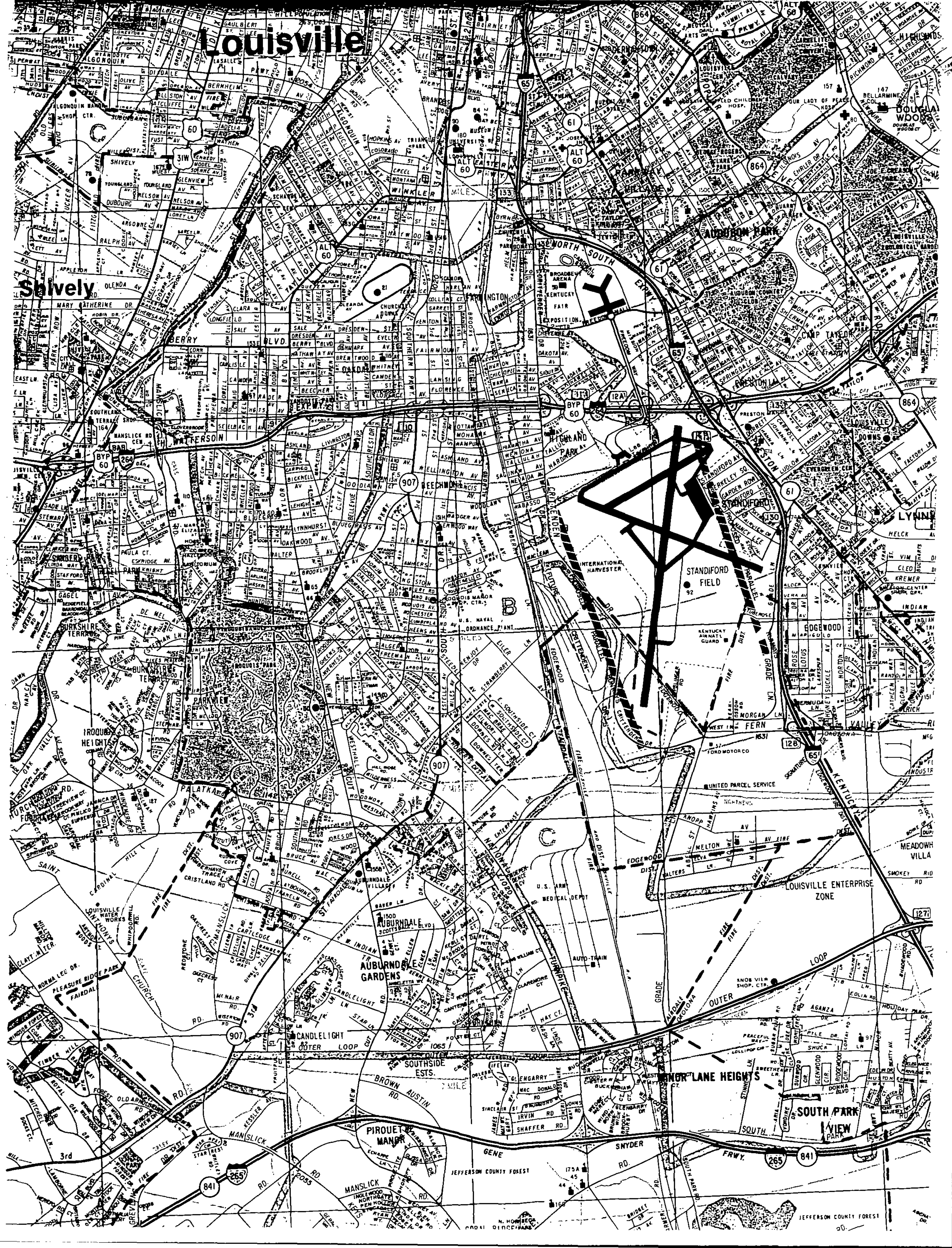
Observation:	Yes*	No	Not Observed	Comment No.
1. Swales greater than 1 foot wide and 2 inches deep	—	X	—	F-1
2. Cracks greater than 1 inch wide and 6 inches deep	—	X	—	—
3. Areas of erosional damage to grass	—	X	—	—
4. Inadequate grass cover (area > 36 ft^2	X	—	—	F-4
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	—	X	—	F-5
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)	—	X	—	—

* If yes, assign a comment no. in the last column and follow instructions on comment sheet.

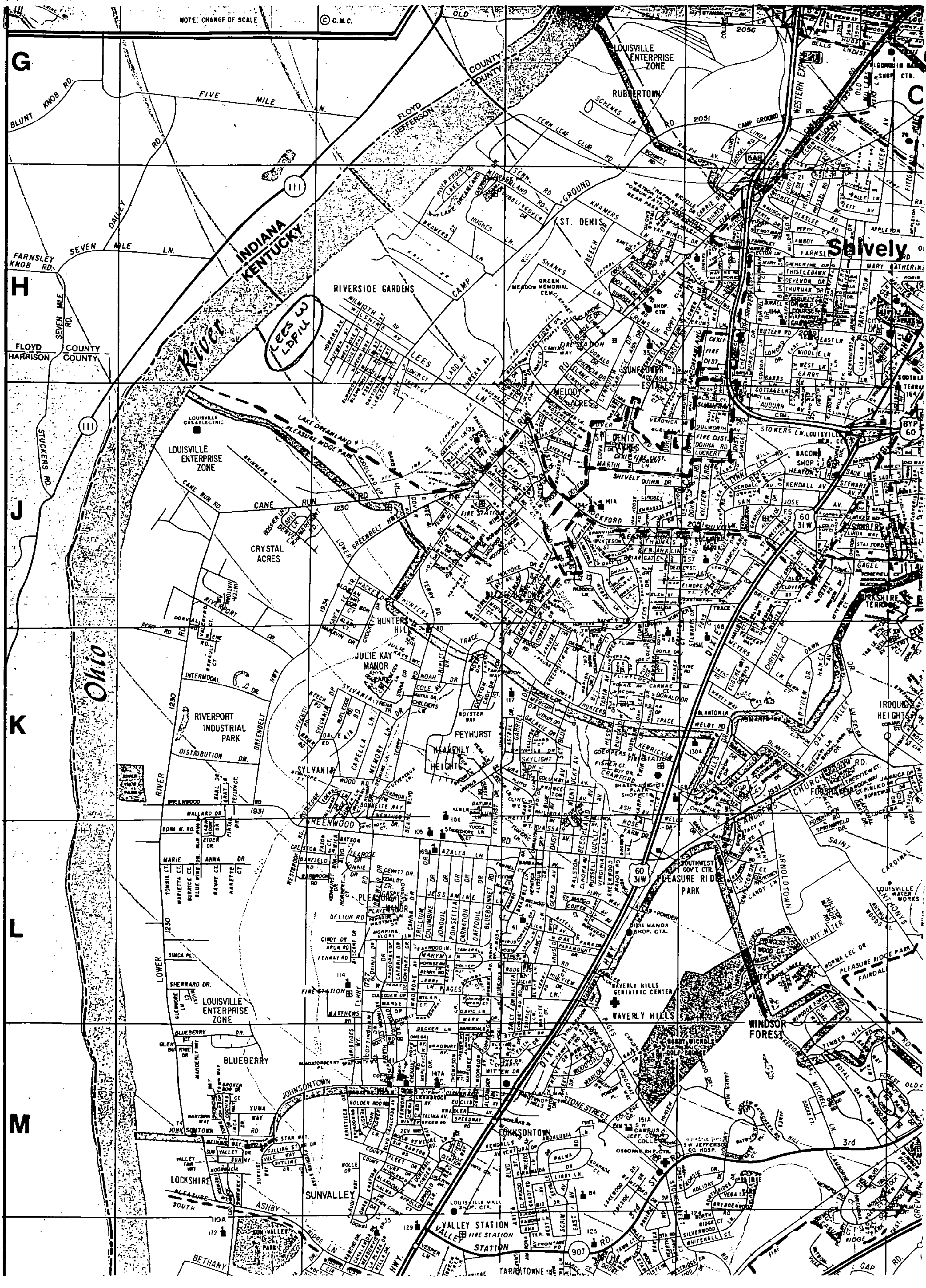
Directions to Lees Lane Landfill from A.L. Taylor

- Take 1020 South
- Turn left on Brooks Rd.
- Take 65 North to 264 West
- Exit on Cane Run Rd.
- Turn ~~left~~ Right on exit
- Turn Right on Lees Lane Rd

The site is at the end of Lees Lane Rd.



Louisville
Shively
STANDIFORD FIELD
INTERNATIONAL HARVESTER
U.S. NAVAL ORDNANCE PLANT
KENTUCKY AIR NAT'L GUARD
LOUISVILLE ENTERPRISE ZONE
UNITED PARCEL SERVICE
U.S. ARMY MEDICAL DEPOT
FORD MOTOR CO
AUDUBON PARK
CAMP TAYLOR
IROQUOIS PARK
AUBURNDALE GARDENS
CANDLELIGHT
SOUTHSIDE ESTS.
MINOR LANE HEIGHTS
SOUTH PARK VIEW
PIROUETTE MANOR
JEFFERSON COUNTY FOREST
KENTUCKY FAIR EXPOSITION CTR.
BROADBENT ARENA
CHURCHILL DOWNS
LOUISVILLE DOWNS
NORTH SOUTH EXPWY.
WATTERSON EXPWY.
OUTER LOOP
GENE SNYDER FRWY.



NOTE: CHANGE OF SCALE
© C.M.C.
G
H
J
K
L
M
C
FIVE MILE LN.
SEVEN MILE LN.
BLUNT KNOB RD.
FARNSLEY KNOB RD.
OAKLEY RD.
SEVEN MILE RD.
FLOYD COUNTY
HARRISON COUNTY
FLOYD JEFFERSON COUNTY
INDIANA
KENTUCKY
Ohio River
111
STUCKERS RD.
LOUISVILLE ENTERPRISE ZONE
RUBBERTOWN
SCHENKS LN.
FERN LEAF CLUB RD.
CAMP GROUND RD.
2051
2056
WESTERN EXPWY.
ST. DENIS
SHANKS LN.
KRAMERS LN.
GREEN MEADOW MEMORIAL CEM.
RIVERSIDE GARDENS
LEES LN.
LEES LN LDFILL
Shively
LOUISVILLE GAS & ELECTRIC
LAKE DREAMLAND RD.
PLEASURE RIDGE PARK
CANE RUN RD.
CANE RUN
1230
CRYSTAL ACRES
LOWER GREENBELT HWY.
MELODY ACRES
SUNFLOWER ESTATES
ST. DENIS ACRES
DIXIE FIRE DIST.
SHIVELY
ROCKFORD
BACON SHOP. CTR.
60
31W
BYP 60
STOWERS LN.
KENDALL AV.
RIVERPORT DR.
PORT RD.
HUNTERS HILL
HUNTERS TRACE
JULIE KAY MANOR
INTERMODAL DR.
RIVERPORT INDUSTRIAL PARK
DISTRIBUTION DR.
GREENBELT HWY.
FEYHURST
HEAVENLY HEIGHTS
SYLVANIA
GREENWOOD RD.
1931
MALLARD DR.
RIVER
FIRE STATION
IROQUOIS HEIGHTS
BLANTON LN.
CHURCH
ST. ANDREWS CHURCH RD.
SOUTHWEST GOV'T. CTR.
PLEASURE RIDGE PARK
ARNOLDTOWN RD.
LOUISVILLE WATER WORKS
ST. ANTHONYS WOODS
DIXIE MANOR SHOP. CTR.
AZALEA
PLEASURE MANOR
WAVERLY HILLS GERIATRIC CENTER
WAVERLY HILLS
WINDSOR FOREST
PLEASURE RIDGE PARK
FAIRDALE
SHERRARD DR.
LOWER RIVER RD.
LOUISVILLE ENTERPRISE ZONE
BLUEBERRY
JOHNSONTOWN
JOHNSONTOWN RD.
STONESTREET RD.
JEFF. COMM. COLL.
SW JEFFERSON CO HOSP.
LOCKSHIRE
SUNVALLEY
SUN VALLEY PARK
PLEASURE
ASHBY
BETHANY
RIDGE LN.
LOUISVILLE MALL SHOP. CTR.
VALLEY STATION
VALLEY STATION RD.
907
TARRYTOWNE
DIXIE HWY.
3rd
FIRE
GAP

TRANSMIT CONFIRMATION REPORT

NO.	:	004
RECEIVER	:	WESTON
TRANSMITTER	:	NORTH SUPERFUND
DATE	:	MAY 13'97 10:56
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